TMO

Targets Management Office

MOBILE GROUND TARGET OPERATIONS (Mobile GTO)

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OUTLINE

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- HISTORY
- BACKGROUND
- MISSION
- SURROGATES
- POC OPERATIONS
- MANAGEMENT AND SUPPORT
- SUMMARY

HISTORY

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- **21 May 90: Deputy Commanding General for Research, Development, and Acquisition, HQ, AMC assigned Mission of Army Ground Targets development to MICOM Targets System Office.**

- **31 Oct 90: Assigned Reliance Lead for Mobile Ground Targets.**

- **18 Sep 92: Deputy Under Secretary of the Army (Operations Research) Released interim policy & procedures recognizing:**
  - AMC as overall Asset Manager for Foreign Materiel.
  - PM ITTS designation by AMC as Management Agent for Ground Targets for Test and Evaluation.
  - Targets Management Office (TMO) selection by

MISSION

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Centrally Manage and Execute:

- **Mobile Ground Targets support for developmental and operational testing.**
- **Resource management and logistical support, including national inventory control point, for operations and maintenance of Mobile Ground Targets.**
- **Consolidation of ground target requirements for foreign assets, surrogate targets and available U.S. assets.**

VIDEO

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WHAT IS A SURROGATE?

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A surrogate as defined by TMO, is any target with less capability than an actual threat. These can be classified in three categories:

- **Highly Representative ($200K and above) i.e. SMERCH vehicles > Meets all realms of signature characteristics of threat**
  > Emulates all or most of mobility/operational characteristics of threat
- **Moderately Representative ($50K-$200K) i.e. BMP3-S**
  > Meets two or more signature characteristics of threat
  > Emulates many of the mobility/operational characteristics of threat
- **Representative ($10K-$50K) i.e. Plastic Targets, LCMs**
  > Meets only select signature characteristics
  > Little or no mobility or operational capability of

All Surrogates Are Validated Using the U.S. Army Validation Process

ACTUAL/ SURROGATE COST VS. PERFORMANCE

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- **T&E requires various levels of target performance:**
  - **Actual threat meets ALL requirements – highest cost**
  - **Surrogate threat – reduced fidelity-lower cost**

- **Some Examples of Threat & Surrogate Unit Costs**:

	Actual	Surrogate
➢ T-80U	**$3M**	**$15K - $500K**

A Mixture Of Actual Threat And Surrogate Vehicles Is Best Value To The T&E Community

SURROGATE BENEFITS TO CUSTOMERS

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- **ATACMS-BAT: SMERCH Surrogate saved ATACMS-BAT in excess of $10M**
- **MCOTEA: REMET saved $25M for SRAW Predator Testing**
- **GMLRS Support: Surrogate Target suite saved GMLRS in excess of $2M**
- **Excalibur: Surrogate target suite projected to save Excalibur in excess of $5M**

TMO Has Proven That Surrogates Are A Cost Effective Approach For Meeting T&E Needs

POC OVERVIEW

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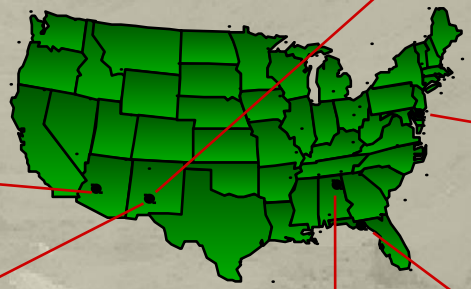
Whites Sands Missile Range, NM (Wa



Yuma Proving

Aberdeen Proving Ground, MD

White Sands Missile Range, NM (POC)

Redstone Technical Test Center, AL (RTTC)

USAF Development Test Center, F

POC OPERATIONS

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- **LOCATIONS:**
  - **Based on frequent need for Mobile Ground Targets to support testing.**
  - **Five sites currently in use: WSMR, YPG, APG, RTTC & USAF AAC**
  - **Multiple locations to reduce transportation costs.**
  - **Deploy to support T & E as needed.**

- **RESPONSIBILITIES:**
  - **Maintain accountability/control.**
  - **Implement configuration management.**
  - **Store & maintain assets.**
  - **Provide day-to-day scheduling.**
  - **Support user testing.**

- **FUNDING**
  - **Users reimburse POC at fixed rate.**

MANAGEMENT

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- **TMO allocates system to POCs.**
- **TMO/User loan agreements establish procedures, responsibilities, and funding.**
- **Yuma Proving Ground designated as central asset pool.**
- **TMO retains management responsibilities; User/POCs control day-to-day use and support.**

MAINTENANCE / SUPPORT

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- User bears all support costs.
- Only properly trained personnel operate and maintain PM ITTS assets.
- POCs maintain strict configuration control; only authentic spare parts are used unless TMO approves substitution.
- TMO procures spares to support the MGTO fleet.
- POCs submit periodic reports to TMO on use and condition of assets.
- Vehicle remote control capabilities supplied by POCs.

MGTO CHARGING POLICY

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Engine Hours Charges* Based upon category of target system used

- **The rates are updated annually to reflect current costs for vehicle upkeep**
- **5 Categories: (1) Specialty Vehicles, (2) Forward Area Combat Vehicles, (3) Rear Area Support Vehicles, (4) Jeeps & Towed Artillery, and (5) Hulks**
- **A minimal static charge (non-operational) of 1 hr/day for vehicles that are dedicated to a specific user, and are not available to other users during that time**

ENGINE HOUR COSTS (USER RATES)

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- **Category 1**: $500/hour Specialty Vehicles
  (T-80UD, SSC-3, SMERCH, ASTROS, MAZ Family type vehicles)
- **Category 2**: $350/hour Forward Area Combat Vehicles and Surrogates
  (Tanks (all), IFV's, Self Propelled Artillery, APCs, Air Defense Artillery, Armored Command Vehicles)
- **Category 3**: $250/hour Rear Area Support Vehicles
  (Box Body Trucks, Vans, BM21, Flat Bed Trucks, ZILs)
- **Category 4**: $150/hour Jeeps & Towed artillery
  (KMT-6, EMT-7, D-20, D-30, ZPUs, M-39, MTs,)
- **Category 5**: Hulks
  $100/day High Maintenance w/fluids, engine, transmission, treads

SUMMARY

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- PM ITTS, TMO has managed Mobile Ground Targets for developmental Test and Evaluation support since 1992.
- Wide array of foreign vehicles & surrogates used as threat representative targets provided to ATEC ranges for use in Test and Evaluation.
- Mature maintenance and operations support structure.
- Ability to procure OEM parts and vehicles in support of PM Test and Evaluation requirements.